

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. of Health & Human Services
Div. Environmental Health, 11 SHS
(207) 287-2070 FAX (207) 287-4172

PROPERTY LOCATION		>> CAUTION: LPI APPROVAL REQUIRED <<	
City, Town, or Plantation	LAMOINE	Town/City	Lamoine Permit # 1872
Street or Road	BUTTERMILK ROAD	Date Permit Issued	11.15.17 Fee \$ 205 Double Fee Charged ()
Subdivision, Lot #		Local Plumbing Inspector Signature	<i>[Signature]</i> L.P.I. # 394
OWNER/APPLICANT INFORMATION		The Subsurface Wastewater Disposal System shall not be installed until a Permit is issued by the Local Plumbing Inspector. The Permit shall authorize the owner or installer to install the disposal system in accordance with the application and the Maine Subsurface Wastewater Disposal Rules.	
Name (last, first, MI)	MERCHANT, BOB	Fee: \$ 205 state min. fee \$ Locally adopted fee	
Mailing Address of	163 BUTTERMILK ROAD	Copy: <input type="checkbox"/> Owner <input type="checkbox"/> Town <input type="checkbox"/> State	
<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Applicant	LAMOINE, ME. 04605		
Daytime Tel. #		Municipal Tax Map # 19 Lot # 16	
OWNER OR APPLICANT STATEMENT		CAUTION: INSPECTION REQUIRED	
I state and acknowledge that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Department and/or Local Plumbing Inspector to deny a permit.		I have inspected the installation authorized above and found it to be in compliance with Subsurface Wastewater Disposal Rules Application.	
<i>[Signature]</i> 11/8/17 Signature of Owner or Applicant Date		(1st Date Approved)	
		Local Plumbing Inspector Signature (2nd Date Approved)	

PERMIT INFORMATION		
TYPE OF APPLICATION	THIS APPLICATION REQUIRES	DISPOSAL SYSTEM COMPONENT(S)
<input checked="" type="checkbox"/> 1. First Time System <input type="checkbox"/> 2. Replacement System Type Replaced: _____ Year Installed: _____ <input type="checkbox"/> 3. Expanded System <input type="checkbox"/> a. Minor Expansion <25% <input type="checkbox"/> b. Major Expansion ≥ 25% <input type="checkbox"/> 4. Experimental System <input type="checkbox"/> 5. Seasonal Conversion	<input checked="" type="checkbox"/> 1. No Rule Variance <input type="checkbox"/> 2. First Time System Variance <input type="checkbox"/> a. Local Plumbing Inspector Approval <input type="checkbox"/> b. State & Local Plumbing Inspector Approval <input type="checkbox"/> 3. Replacement System Variance <input type="checkbox"/> a. Local Plumbing Inspector Approval <input type="checkbox"/> b. State & Local Plumbing Inspector Approval <input type="checkbox"/> 4. Minimum Lot Size Variance <input type="checkbox"/> 5. Seasonal Conversion Permit	<input checked="" type="checkbox"/> 1. Complete Non-engineered System <input type="checkbox"/> 2. Primitive System (graywater & alt. toilet) <input type="checkbox"/> 3. Alternative Toilet, specify: _____ <input type="checkbox"/> 4. Non-engineered Treatment Tank (only) <input type="checkbox"/> 5. Holding Tank, _____ gallons <input type="checkbox"/> 6. Non-engineered Disposal Field (only) <input type="checkbox"/> 7. Separated Laundry System <input type="checkbox"/> 8. Complete Engineered System (2000 gpd or more) <input type="checkbox"/> 9. Engineered Treatment Tank (only) <input type="checkbox"/> 10. Engineered Disposal Field (only) <input type="checkbox"/> 11. Pre-treatment, specify: _____ <input type="checkbox"/> 12. Miscellaneous components
SIZE OF PROPERTY _____ sq. ft. <input type="checkbox"/> acres 36+ acres	DISPOSAL SYSTEM TO SERVE <input type="checkbox"/> 1. Single Family Dwelling Unit, No. of Bedrooms: _____ <input type="checkbox"/> 2. Multiple Family Dwelling, No. of Units: _____ <input checked="" type="checkbox"/> 3. Other: (SPECIFY) 6 EMPLOYEES, NO SHOWERS, 2 BEDROOM APARTMENT	TYPE OF WATER SUPPLY <input checked="" type="checkbox"/> 1. Drilled Well <input type="checkbox"/> 2. Dug Well <input type="checkbox"/> 3. Private <input type="checkbox"/> 4. Public <input type="checkbox"/> 5. Other: _____
SHORELAND ZONING <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Current Use: <input type="checkbox"/> Seasonal <input type="checkbox"/> Year Round <input checked="" type="checkbox"/> Undeveloped	

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)			
TREATMENT TANK <input checked="" type="checkbox"/> 1. Concrete <input type="checkbox"/> a. Regular WITH <input type="checkbox"/> b. Low Profile LIFT <input type="checkbox"/> 2. Plastic STATION <input type="checkbox"/> 3. Other: _____ CAPACITY 1000 gallons	DISPOSAL FIELD TYPE & SIZE <input type="checkbox"/> 1. Stone Bed <input type="checkbox"/> 2. Stone Trench <input checked="" type="checkbox"/> 3. Proprietary Device 14 SIDE FEED CONCRETE CHAMBERS <input type="checkbox"/> a. Cluster Array <input type="checkbox"/> c. Linear <input type="checkbox"/> b. Regular load <input type="checkbox"/> d. H-20 load <input type="checkbox"/> 4. Other: _____ SIZE 1078 sq. ft. <input type="checkbox"/> lin. ft.	GARBAGE DISPOSAL UNIT <input type="checkbox"/> 1. No <input type="checkbox"/> 2. Yes <input type="checkbox"/> 3. Maybe If Yes or Maybe, specify one below: <input type="checkbox"/> a. Multi-compartment Tank <input type="checkbox"/> b. _____ Tanks in Series <input type="checkbox"/> c. Increase in Tank Capacity <input type="checkbox"/> d. Filter on Tank Outlet	DESIGN FLOW 252 gallons per day BASED ON <input checked="" type="checkbox"/> 1. Table 4A (dwelling unit(s)) <input checked="" type="checkbox"/> 2. Table 4C (other facilities) SHOW CALCULATIONS for other facilities 2 BEDROOM APARTMENT: 180 GPD 6 EMPLOYEES: 72 GPD NO SHOWERS: 0 GPD 252 GPD
SOIL DATA & DESIGN CLASS PROFILE CONDITION 1, 1, D at Observation Hole # 1 Depth 12" OF MOST LIMITING SOIL FACTOR	DISPOSAL FIELD SIZING <input type="checkbox"/> 1. Medium - 2.6 sq. ft./gpd <input type="checkbox"/> 2. Medium-Large - 3.3 sq. ft./gpd <input checked="" type="checkbox"/> 3. Large - 4.1 sq. ft./gpd <input type="checkbox"/> 4. Extra Large - 5.0 sq. ft./gpd	EFFLUENT/EJECTOR PUMP <input type="checkbox"/> 1. Not Required <input type="checkbox"/> 2. May be Required <input checked="" type="checkbox"/> 3. Required Specify only for engineered systems DOSE: _____ gallons	SECTION 4G (meter readings) ATTACH WATER METER DATA LATITUDE AND LONGITUDE at center of disposal area Lat. 44° 30' 54.1" N Lon. 68° 23' 02.7" W if g.p.s., state margin of error 3.0'

SITE EVALUATOR STATEMENT		
I certify that on 10-10-17 (date) I completed a site evaluation on this property and state that the data reported are accurate and that the proposed system is in compliance with the State of Maine Subsurface Wastewater Disposal Rules (10-144A CMR 241).		
<i>[Signature]</i> Site Evaluator Signature	319 SE#	10-14-17 Date
WILLIAM A. LaBELLE, JR.	(207) 537 - 5900	labelleseptic@rivah.net
Site Evaluator Name Printed	Telephone Number	E-mail Address

Note: Changes to or deviations from the design should be confirmed with the Site Evaluator.

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LAMOINE

BUTTERMILK ROAD

OWNER OR APPLICANT NAME
BOB MERCHANT

Scale 1" = 60 Ft.

SITE LOCATION PLAN
(Attach map from Maine Atlas
for First Time System Variance)

Haslam
Septic
*
SITE

Buttermilk Road

Observation Hole # ☒ Test Pit ☐ Boring

3 " Depth of organic horizon above mineral soil

Texture	Consistency	Color	Mottling
STONY	FRIABLE	GRAY (10YR 6/1) DARK YEL. BROWN (10YR 4/6)	N.E.
SILT			
LOAM	COMPACTED	YELLOWISH BROWN (10YR 5/4)	COMMON DISTINCT

Soil 1	Classification D	Slope 1 1/2 %	Limiting Factor 12 "	<input checked="" type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock <input type="checkbox"/> Pit Depth
Profile	Condition		Depth	

Observation Hole # 2 ☒ Test Pit ☐ Boring

3 " Depth of organic horizon above mineral soil

DEPTH BELOW MINERAL SOIL SURFACE (inches)	Texture	Consistency	Color	Mottling
0-10	SANDY		DARK	
10-20	GRAVELLY		YELLOWISH BROWN	N E
20-30	LOAM	FRIABLE	(10YR 4/6)	
30-40	Sandy loam to loam		OLIVE BROWN	COMMON DISTINCT
40-50		FIRM	(2.5Y 4/6)	

Soil Classification	Slope	Limiting Factor	<input checked="" type="checkbox"/> Ground Water
317 D	0-1%	14"	<input type="checkbox"/> Restrictive Layer
Profile Condition	Depth		<input type="checkbox"/> Bedrock
			<input type="checkbox"/> Pit Depth

Site Evaluator's Signature

319
S. E. #

10-14-17
Date

Town, City, Plantation
LANDMINE

Street, Road, Subdivision
BUTTERMILK ROAD

Owner or Applicant Name
BOB MERCHANT

SITE PLAN:

SCALE: 1" = 60 FT.

HASLAM SEPTIC
GARAGE / OFFICE

MAGNETIC
NORTH

PROPOSED ADDITION
APPROX. BUILDING SEWER
NOTE:
PROPOSED 1000 GAL. SEPTIC TANK
WITH LIFT STATION. TANK TO BE
WATER TIGHT, 8' MIN. FROM BUILDING
AND 51' MIN. FROM WELL.

DRIVE

WELL

2" PRESSURE LINE,
PROTECT FROM
FREEZING AND
CRUSHING.

INSTALL
ROCK
BARRICADE

PROPOSED
14 SIDE FEED
CHAMBERS

MOBILE HOME

ERP, NAIL IN
8" DIA. MAPLE
IN CLUMP.

TP1
TP2
6" DIA.
MAPLE,
FOR TIE

BUTTERMILK
ROAD

Site Evaluator's Signature

S.E. #

Date

319

10-14-17

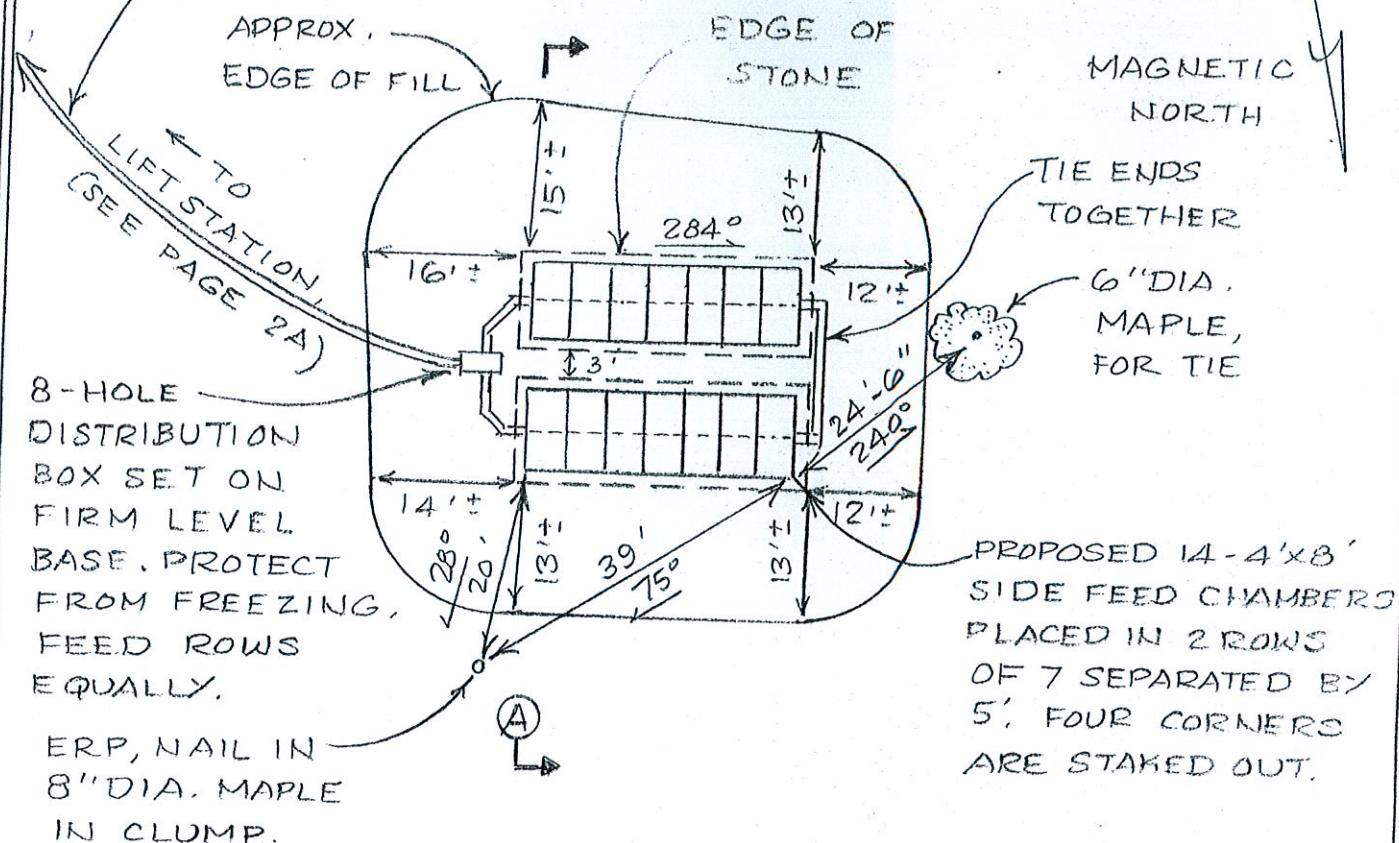
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Street, Road, Subdivision
BUTTERMILK ROAD

Owner or Applicant Name
BOB MERCHANT

SCALE: 1" = 20 FT.

2" PRESSURE LINE, PROTECT FROM FREEZING AND CRUSHING.



CONSTRUCTION ELEVATIONS

SYSTEM:

PRMY:

ELEVATION REFERENCE POINT

Depth of Backfill (Upslope) 29'-31'

Finished Grade Elevation

CROWN - 35"

Depth of Backfill (Downslope) 32"-38"

Top of Distribution Pipe or Proprietary Device - 47"

11/18

Location & Description NAIL 53'
ABOVE GROUND IN AN 8"

Depths @ cross-section shown below or on X-sec. detail. Bottom of Disposal Field

-60"

DIA. MAPLE IN CLUMP

Reference Elevation is: 0''

DISPOSAL AREA CROSS SECTION (SEE ATTACHED CROSS SECTION)

NOTES:

1. Tank(s) must be 8' minimum from building.
2. Grade surrounding area to divert surface water away from system.
3. All work done adjacent to wetlands and water bodies must be done in compliance with section 12 of the Subsurface Wastewater Disposal Rules. Erosion and sediment control measures must be in accordance with the March 2003 edition of the Maine DEP Handbook "Maine Erosion and Sediment Control BMPs" (DEPW0588).
4. Install septic tank(s) risers 18" in diameter "minimum" to within 6" of finished grade on inlet, cleanout and outlet covers (recommend extending risers to finish grade). Install risers to finish grade of appropriate size to allow pump removal on all in-tank pump chambers and separate pump tanks.
5. Protect lift stations and pump tanks from freezing.
6. Full basement below grade foundation, frost wall or columns must be 20' minimum from stone around chambers and slab on grade must be 15' minimum from stone around chambers.

Site Evaluator's Signature

S.E. #

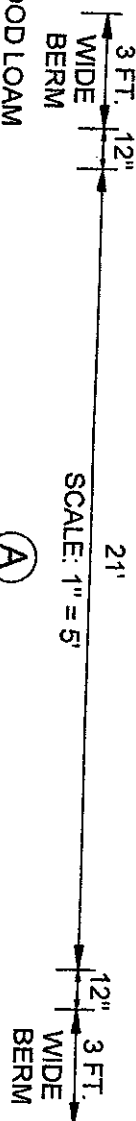
Date _____

NOTE:
GRADE UPSLOPE TO DIVERT
SURFACE WATER AWAY FROM
SYSTEM.

DISPOSAL AREA CROSS SECTION

TOP 4" OF FILL TO BE A GOOD LOAM
SOIL MIX TO ESTABLISH A GOOD
VEGETATIVE COVER; SEED
AND MULCH TO PREVENT EROSION,
SEC. 11-G.

FILL MATERIAL SHALL BE 8"-12" THICK
OVER CHAMBERS AND SHALL BE GRAVELLY
COARSE SAND TO THE STANDARDS IN
SEC. 11-E IN THE SUBSURFACE RULES.



FILL EXTENSIONS
NO GREATER THAN
4:1, (25% SLOPE).

3%

3%

FILL EXTENSIONS
NO GREATER THAN
4:1, (25% SLOPE).

REMOVE VEGETATION AND SCARIFY
ORIGINAL SOIL UNDER ENTIRE FILL AREA, SEC. 11-B.

ELEVATIONS:

ELEV. REF. PT. (ERP):

0"

FINISHED GRADE:

- 35" CROWN

TOP OF CHAMBERS:

- 47"

BOTTOM OF CHAMBERS:

- 60"

BOTTOM OF CHAMBERS MUST BE
LEVEL WITH MAXIMUM GRADE
TOLERANCE OF 2" PER 100.

NOTE:

SYSTEM MUST BE INSTALLED ACCORDING
TO THE RULES AND PRACTICES SET FORTH
IN THE MOST CURRENT VERSION OF THE
STATE OF MAINE SUBSURFACE WASTEWATER
DISPOSAL RULES. INSTALLATION CONTRACTOR
MUST BE FAMILIAR WITH SAID RULES AND
CONSTRUCT SYSTEM IN FULL COMPLIANCE
WITH SECTION 11 OF SAID RULES.

OWNER: BOB MERCHANT
LOCATION: LAMONE

DOC 17

WILLIAM A. LABELLE, JR.

S.E.#

319

DATE

10-14-17